Response to Notice of Non-Compliant Amendment mailed on July 30, 2004

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

## 1-30. cancelled

- 31. (New) A polymer blend comprising:
  - (a) polypropylene having at least about 90 wt% propylene-derived units; and
  - (b) a crystallizable polymer comprising:
    - (i) from 10 to 16 wt% ethylene-derived units; and
    - (ii) at least 75 wt% propylene-derived units.
- 32. (New) The polymer blend of claim 31, wherein the polypropylene of component (a) is isotactic.
- 33. (New) The polymer blend of claim 32, wherein the crystallizable polymer of component (b) has isotactically crystallizable propylene sequences.
- 34. (New) The polymer blend of claim 31, wherein the crystallizable polymer of component (b) has a weight average molecular weight (Mw) by GPC of at least 248,900.

- 35. (New) The polymer blend of claim 31, wherein the crystallizable polymer of component (b) has a molecular weight distribution of from about 2.0 to about 3.2.
- 36. (New) The polymer blend of claim 31, wherein the glass transition temperature of the crystallizable polymer of component (b) is retained in the polymer blend.
- 37. (New) The polymer blend of claim 31, wherein the polypropylene of component (a) has a melting point of from about 115°C to about 170°C.
- 38. (New) The polymer blend of claim 31, wherein the crystallizable polymer of component (b) has a melting point below that of the polypropylene of component (a).
- 39. (New) The polymer blend of claim 31, wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 44 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).
- 40. (New) A polymer blend comprising:
  - isotactic polypropylene having at least about 90 wt% propylenederived units; and
  - (b) a crystallizable polymer having a weight average molecular weight
     (Mw) by GPC of at least 248,900, said crystallizable polymer comprising:
    - (i) from about 4 to about 25 wt% ethylene-derived units; and

- (ii) at least 75 wt% propylene-derived units.
- 41. (New) The polymer blend of claim 40, wherein the crystallizable polymer of component (b) comprises from about 6 to about 18 wt % ethylenederived units.
- 42. (New) The polymer blend of claim 40, wherein the crystallizable polymer of component (b) comprises from 10 to 16 wt% ethylene-derived units.
- 43. (New) The polymer blend of claim 40, wherein the crystallizable polymer of component (b) has isotactically crystallizable propylene sequences.
- 44. (New) The polymer blend of claim 40, wherein the crystallizable polymer of component (b) has a molecular weight distribution of from about 2.0 to about 3.2.
- 45. (New) The polymer blend of claim 40, wherein the glass transition temperature of the crystallizable polymer of component (b) is retained in the polymer blend.
- 46. (New) The polymer blend of claim 40, wherein the polypropylene of component (a) has a melting point of from about 115°C to about 170°C.
- 47. (New) The polymer blend of claim 40, wherein the crystallizable polymer of component (b) has a melting point below that of the polypropylene of component (a).

- 48. (New) The polymer blend of claim 40, wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 44 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).
- 49. (New) The polymer blend of claim 40, wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 56 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).
- 50. (New) A polymer blend comprising:
  - (a) polypropylene having at least about 90 wt% propylene-derived units; and
  - (b) a crystallizable polymer comprising:
    - (i) from about 4 to about 25 wt% ethylene-derived units; and
    - (ii) at least 75 wt% propylene-derived units;
  - wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 44 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).
- 51. (New) The polymer blend of claim 50, wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 56 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).

- 52. (New) The polymer blend of claim 50, wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 67 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).
- 53. (New) The polymer blend of claim 50, wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 78 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).
- 54. (New) The polymer blend of claim 50, wherein the polypropylene of component (a) is isotactic.
- 55. (New) The polymer blend of claim 54, wherein the crystallizable polymer of component (b) has isotactically crystallizable propylene sequences.
- 56. (New) The polymer blend of claim 50, wherein the crystallizable polymer of component (b) comprises from about 6 to about 18 wt % ethylenederived units.
- 57. (New) The polymer blend of claim 50, wherein the crystallizable polymer of component (b) comprises from 10 to 16 wt% ethylene-derived units.
- 58. (New) The polymer blend of claim 50, wherein the crystallizable polymer of component (b) has a weight average molecular weight (Mw) by GPC of at least 248,900.

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- 59. (New) The polymer blend of claim 50, wherein the glass transition temperature of the crystallizable polymer of component (b) is retained in the polymer blend.
- 60. (New) A polymer blend comprising:
  - (a) units derived from polypropylene having at least about 90 wt% propylene-derived units; and
  - (b) units derived from a crystallizable polymer comprising:
    - (i) from about 4 to about 25 wt% ethylene-derived units; and
    - (ii) at least 75 wt% propylene-derived units;
  - wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 44 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).
- 61. (New) The polymer blend of claim 60, wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 56 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).
- 62. (New) The polymer blend of claim 60, wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 67 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).
- 63. (New) The polymer blend of claim 60, wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 78 wt%,

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based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).

- 64. (New) The polymer blend of claim 60, wherein the polypropylene of component (a) is isotactic.
- 65. (New) The polymer blend of claim 64, wherein the crystallizable polymer of component (b) has isotactically crystallizable propylene sequences.
- 66. (New) The polymer blend of claim 60, wherein the crystallizable polymer of component (b) comprises from about 6 to about 18 wt % ethylenederived units.
- 67. (New) The polymer blend of claim 60, wherein the crystallizable polymer of component (b) comprises from 10 to 16 wt% ethylene-derived units.
- 68. (New) The polymer blend of claim 60, wherein the crystallizable polymer of component (b) has a weight average molecular weight (Mw) by GPC of at least 248,900.
- 69. (New) The polymer blend of claim 60, wherein the glass transition temperature of the crystallizable polymer of component (b) is retained in the polymer blend.
- 70. (New) A polymer blend comprising:
  - polypropylene having at least about 90 wt% propylene-derived (a) units; and

- (b) a polymer comprising:
  - (i) from about 4 to about 25 wt% ethylene-derived units, and
  - (ii) at least 75 wt% propylene-derived units;
- wherein the polymer of component (b) is made using a transition metalcontaining catalyst composition, wherein the transition metal is principally hafnium.
- 71. (New) The polymer blend of claim 70, wherein the polypropylene of component (a) is isotactic.
- (New) The polymer blend of claim 71, wherein the polymer of component(b) has isotactically crystallizable propylene sequences.
- 73. (New) The polymer blend of claim 70, wherein the polymer of component (b) has a weight average molecular weight (Mw) by GPC of at least 248,900.
- 74. (New) The polymer blend of claim 70, wherein the glass transition temperature of the polymer of component (b) is retained in the polymer blend.
- 75. (New) The polymer blend of claim 70, wherein the transition metalcontaining catalyst composition is a metallocene.
- 76. (New) The polymer blend of claim 70, wherein the polymer of component (b) is present in the blend in an amount of at least 44 wt%, based on the

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combined weight of the polymer of component (b) and the polypropylene of component (a).

- 77. (New) The polymer blend of claim 70, wherein the polymer of component (b) is present in the blend in an amount of at least 56 wt%, based on the combined weight of the polymer of component (b) and the polypropylene of component (a).
- 78. (New) The polymer blend of claim 70, wherein the polymer of component (b) comprises from about 6 to about 18 wt % ethylene-derived units.
- (New) The polymer blend of claim 70, wherein the polymer of component(b) comprises from 10 to 16 wt% ethylene-derived units.
- 80. (New) A polymer blend comprising:
  - (a) units derived from polypropylene having at least about 90 wt% propylene-derived units; and
  - (b) units derived from a polymer comprising:
    - (i) from about 4 to about 25 wt% ethylene-derived units; and
    - (ii) at least 75 wt% propylene-derived units;
  - wherein the polymer of component (b) is made using a transition metalcontaining catalyst composition, wherein the transition metal is principally hafnium.
- 81. (New) The polymer blend of claim 80, wherein the polypropylene of component (a) is isotactic.

- (New) The polymer blend of claim 81, wherein the polymer of component(b) has isotactically crystallizable propylene sequences.
- 83. (New) The polymer blend of claim 80, wherein the polymer of component
  (b) has a weight average molecular weight (Mw) by GPC of at least
  248,900.
- 84. (New) The polymer blend of claim 80, wherein the glass transition temperature of the polymer of component (b) is retained in the polymer blend.
- 85. (New) The polymer blend of claim 80, wherein the transition metalcontaining catalyst composition is a metallocene.
- 86. (New) The polymer blend of claim 80, wherein the polymer of component (b) is present in the blend in an amount of at least 44 wt%, based on the combined weight of the polymer of component (b) and the polypropylene of component (a).
- 87. (New) The polymer blend of claim 80, wherein the polymer of component (b) is present in the blend in an amount of at least 56 wt%, based on the combined weight of the polymer of component (b) and the polypropylene of component (a).
- 88. (New) The polymer blend of claim 80, wherein the polymer of component
  (b) comprises from about 6 to about 18 wt % ethylene-derived units.

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- (New) The polymer blend of claim 80, wherein the polymer of component(b) comprises from 10 to 16 wt% ethylene-derived units.
- 90. (New) A polymer blend comprising:
  - (a) polypropylene having at least about 90 wt% propylene-derived units, and
  - (b) a crystallizable polymer comprising:
    - (i) from about 4 to about 25 wt% ethylene-derived units; and
    - (ii) at least 75 wt% propylene-derived units;

wherein the glass transition temperature of the crystallizable polymer of component (b) is retained in the polymer composition.

- 91. (New) The polymer blend of claim 90, wherein the polypropylene of component (a) is isotactic.
- 92. (New) The polymer blend of claim 91, wherein the crystallizable polymer of component (b) has isotactically crystallizable propylene sequences.
- 93. (New) The polymer blend of claim 90, wherein the crystallizable polymer of component (b) comprises from about 6 to about 18 wt % ethylenederived units.
- 94. (New) The polymer blend of claim 90, wherein the crystallizable polymer of component (b) comprises from 10 to 16 wt% ethylene-derived units.

- 95. (New) The polymer blend of claim 90, wherein the crystallizable polymer of component (b) has a weight average molecular weight (Mw) by GPC of at least 248,900.
- 96. (New) The polymer blend of claim 90, wherein the crystallizable polymer of component (b) has a molecular weight distribution of from about 2.0 to about 3.2.
- 97. (New) The polymer blend of claim 90, wherein the crystallizable polymer of component (b) has a melting point below that of the polypropylene of component (a).
- 98. (New) The polymer blend of claim 90, wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 44 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).
- 99. (New) The polymer blend of claim 90, wherein the crystallizable polymer of component (b) is present in the blend in an amount of at least 56 wt%, based on the combined weight of the crystallizable polymer of component (b) and the polypropylene of component (a).
- 100. (New) A polymer blend comprising:
  - (a) polypropylene having at least about 90 wt% propylene-derived units, and
  - (b) a polymer comprising:
    - (i) from about 4 to about 25 wt% ethylene-derived units; and

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levels without failure.

- (ii) at least 75 wt% propylene-derived units;wherein the polymer blend will accept a strain of 250% and higher strain
- 101. (New) The polymer blend of claim 100, wherein the polymer blend will accept a strain of 250% without failure after being heated to 215°C and subsequently annealed.
- 102. (New) The polymer blend of claim 100, wherein the polypropylene of component (a) is isotactic.
- 103. (New) The polymer blend of claim 102, wherein the polymer (b) has isotactically crystallizable propylene sequences.
- 104. (New) The polymer blend of claim 100, wherein the polymer of (b) has a weight average molecular weight (Mw) by GPC of at least 248,900.
- 105. (New) The polymer blend of claim 100, wherein the glass transition temperature of the polymer of (b) is retained in the polymer blend.
- 106. (New) The polymer blend of claim 100, wherein the polymer of (b) is present in the blend in an amount of at least 44 wt%, based on the combined weight of the polymer of (b) and the polypropylene of component (a).
- 107. (New) The polymer blend of claim 100, wherein the polymer of (b) is present in the blend in an amount of at least 56 wt%, based on the

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combined weight of the polymer of (b) and the polypropylene of component (a).

- 108. (New) The polymer blend of claim 100, wherein the polymer of (b) comprises from about 6 to about 18 wt % ethylene-derived units.
- 109. (New) The polymer blend of claim 100, wherein the polymer of (b) comprises from 10 to 16 wt% ethylene-derived units.
- 110. (New) The polymer blend of claim 100, wherein the polymer blend will accept a strain of 300% and higher strain levels without failure.
- 111. (New) The polymer blend of claim 100, wherein the polymer blend will accept a strain of 400% and higher strain levels without failure.
- 112. (New) The polymer blend of claim 100, wherein the polymer blend will accept a strain of 500% and higher strain levels without failure.
- 113. (New) The polymer blend of claim 100, wherein the polymer blend will accept a strain of 600% and higher strain levels without failure.
- 114. (New) The polymer blend of claim 100, wherein the polymer blend will accept a strain of 700% and higher strain levels without failure.
- 115. (New) The polymer blend of claim 100, wherein the polymer blend will accept a strain of 750% and higher strain levels without failure.

- 116. (New) A polymer blend comprising:
  - isotactic polypropylene having at least about 90 wt% propylenederived units; and
  - (b) a diene-containing crystallizable polymer comprising:
    - (i) from about 4 to about 25 wt% ethylene-derived units;
    - (ii) at least 75 wt% propylene-derived units; and
    - (iii) non-conjugated diene-derived units in an amount of 10wt% or less.
- 117. (New) The polymer blend of claim 116, wherein the non-conjugated diene is selected from the group consisting of ethylidene norbornene, vinyl norbornene, and dicyclopentadiene.
- 118. (New) The polymer blend of claim 116, wherein the crystallizable polymer of component (b) comprises non-conjugated diene derived units in an amount of less than 5 wt%.
- 119. (New) The polymer blend of claim 118, wherein the non-conjugated diene is selected from the group consisting of ethylidene norbornene, vinyl norbornene, and dicyclopentadiene.
- 120. (New) A polymer blend comprising:
  - isotactic polypropylene having at least about 90 wt% propylenederived units; and
  - (b) at least about 5 wt%, based on the combined weight of component(a) and component (b), of a polymer having isotactically crystallizable propylene sequences, and having a weight average

molecular weight (Mw) by GPC of at least 248,900, the polymer comprising:

- (i) from 10 to 16 wt% ethylene-derived units; and
- (ii) at least 75 wt% propylene-derived units.
- 121. (New) An article of manufacture comprising the blend composition of claim 31.
- 122. (New) The article of claim 121, wherein the article is a film.
- 123. (New) The article of claim 121, wherein the article is a fiber.
- 124. (New) The article of claim 121, wherein the article is a molded object.